

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"501772".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 09:30
S2	1	"501772".ap. and source and drain	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 10:04
S3	1	"5466348".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:18
S4	1	"538062".ap. and gate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 10:25
S5	71	((("field effect" near4 transist\$4) same (\$5array\$2 or \$5chip\$2 or immobili\$7)) and ((immobili\$7 or fix\$4 or attach\$4) same probe\$2 same (measur\$4 or determin\$4 or record\$4) same (volt\$2 or voltag\$2 or current or potential\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 10:39
S6	62	("field effect" near4 transist\$4) and ((\$5array\$2 or \$5chip\$2 or immobili\$7 or fix\$4 or attach\$4) same (nucleic or \$5nucleotide\$2 or protein\$2 or \$5peptide\$2 or antibod\$4)) and ((immobili\$7 or fix\$4 or attach\$4) same probe\$2 same (measur\$4 or determin\$4 or record\$4) same (volt\$2 or voltag\$2 or current or potential\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:54
S7	30	manalis-scot\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:01
S8	6	manalis-scot\$.in. and gate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:02
S9	12	(souteyrand-e\$ or cloarec-j\$ or mikkelsen-s\$ or lawrence-m\$).in. and "field effect"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:03

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## EAST Search History

S10	8	S9 and ((\$array\$2 or \$chip\$2 or immobili\$7 or fix\$4 or attach\$4) same (nucleic or \$nucleotide\$2 or protein\$2 or \$peptide\$2 or antibod\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:08
S11	0	S10 and ((\$array\$2 or \$chip\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:08
S12	1	"6482639".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:19
S13	1	maracas.in. and mosfet	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:20
S14	1	"6060327".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 11:20
S15	59	("4018662"   "4020830"   "4180771"   "4181128"   "4235864"   "4397714"   "4437969"   "4490216"   "4591550"   "4704353"   "4727019"   "4737464"   "4741619"   "4758786"   "4794089"   "4815843"   "4849330"   "4961833"   "H000675").PN. OR ("5466348").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/27 11:42
S16	34	("field effect" near4 transist\$4) and S15	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 12:33
S17	388	\$5mercapto\$4 near3 \$5siloxan\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 12:35
S18	1	\$5mercapto\$4 near3 \$5siloxan\$2 same (metal\$4 near4 film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 12:35
S19	49	\$5mercapto\$4 near3 \$5siloxan\$2 and (metal\$4 near4 film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:17
S20	203	electrode\$2 same ((verif\$6 or confirm\$6 or validat\$4) near4 (immobili\$7 or attach\$4 or fix\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:24

## EAST Search History

S21	15	electrode\$2 same ((verif\$6 or confirm\$6 or validat\$4) near4 (immobili\$7 or attach\$4 or fix\$4)) same advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:19
S22	8	S20 and electrode\$2 same (immobili\$7 or attach\$4 or fix\$4) same (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:25
S23	43	heller-m\$.in. and electrode\$2 same (immobili\$7 or attach\$4 or fix\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:23
S24	22617	electrode\$2 same ((verif\$6 or confirm\$6 or validat\$4 or measur\$5 or quanti\$6) same (immobili\$7 or attach\$4 or fix\$4) same (current or voltage or potential))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:27
S25	1090	S24 and (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:25
S26	195	S25 and electrode\$2 same address\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:26
S27	16	S26 and (verif\$6 or confirm\$6 or validat\$4 or measur\$5 or quanti\$6) same (immobili\$7 or attach\$4 or fix\$4) same (current or voltage or potential) same advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/27 13:30
S28	1	"7235389".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/12/28 22:34
S29	578	(electrode\$2 same (\$5array\$2 or \$5chip\$2 or address\$5) same (nucleic or \$5nucleotide\$2)) and ((nucleic or \$5nucleotide\$2 or probe\$2) same (immobili\$7 of fix\$4 or attach\$5) same (current\$2 or potential\$4 or volts or voltage\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:33
S30	150	S29 and (current\$2 or potential\$4 or volts or voltage\$2) same solution\$4 same (measur\$4 or calibrat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:18
S31	227	S29 and (current\$2 or potential\$4 or volts or voltage\$2) same (measur\$4 or calibrat\$4) same (attach\$5 or fix\$4 or immobili\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:18

## EAST Search History

S32	22621	electrode\$2 same ((verif\$6 or confirm\$6 or validat\$4 or measur\$5 or quanti\$6) same (immobili\$7 or attach\$4 or fix\$4) same (current or voltage or potential))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:31
S33	1091	S32 and (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:31
S34	175	S29 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:31
S35	23	S34 and ("field effect" or "gate electrode")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 15:34

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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(spot\$4 near4 electrode\$2) same (nucleic or \$5nucleotide\$2) same advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 19:02
L2	0	(spot\$4 near4 electrode\$2) same (nucleic or \$5nucleotide\$2) and (spot\$4 near4 advantag\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 19:03
L3	31	(spot\$4 near4 electrode\$2) same (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 19:03
S1	48333	(\$5array\$2 or \$5chip\$2 or immobili\$7) same ("gate electrode" or fet\$2 or mosfet\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:01
S2	934	(\$5array\$2 or \$5chip\$2 or immobili\$7) and (("gate electrode" or fet\$2 or mosfet\$2) near4 (immobili\$7 or attach\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:06
S3	1	"5846708".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:02
S4	304	S2 and (\$4drain near4 (voltage or current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:04
S5	28	S4 and hybridiz\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:07
S6	92	S4 and (("gate electrode" or fet\$2 or mosfet\$2) near4 (plural\$4 or multipl\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:06
S7	4	S6 and hybridiz\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 08:56
S8	12	ackley.in. and "field effect"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/02 16:16

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## EAST Search History

S9	1	"501772".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 08:59
S10	1	"501772".ap. and probe\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 08:59
S11	1	"5466349".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 11:40
S12	1	"5466348".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 11:40
S13	583	(detect\$4 or measur\$4) near10 electrod\$2 near10 (attach\$4 or fix\$4 or fixation or immobiliz\$7) near10 (probe\$2 or molecule\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:11
S14	235	S13 and (attach\$4 or fix\$4 or fixation or immobiliz\$7) near10 (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:23
S15	13	S14 and @pd<"20010101"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:10
S16	8	(confirm\$6) near10 electrod\$2 near10 (attach\$4 or fix\$4 or fixation or immobiliz\$7) near10 (probe\$2 or molecule\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:12
S17	44	heller-m\$.in. and electrode\$2 same attach\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:19
S18	0	heller-m\$.in. and electrode\$2 and (measur\$4 near6 attach\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:13
S19	0	heller-m\$.in. and electrode\$2 and (measur\$4 near12 attach\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:14
S20	0	heller-m\$.in. and electrode\$2 and (measur\$4 near12 immobili\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:14

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## EAST Search History

S21	10	electrode\$2 same ((detect\$4 or measur\$4) near8 (attach\$4 or immobili\$7 or fix\$4 or fixation) near8 "single strand")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:20
S22	75	electrode\$2 same ((detect\$4 or measur\$4) same (attach\$4 or immobili\$7 or fix\$4 or fixation) same "single strand")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:22
S23	663	electrode\$2 same ((detect\$4 or measur\$4) same (attach\$4 or immobili\$7 or fix\$4 or fixation) same (verif\$4 or verification or confirm\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:25
S24	54	S23 and (attach\$4 or fix\$4 or fixation or immobiliz\$7) near10 (nucleic or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 12:23
S25	33	electrode\$2 same ((detect\$4 or measur\$4) near10 (attach\$4 or immobili\$7 or fix\$4 or fixation) near10 (verif\$4 or verification or confirm\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 13:37
S26	42	("field effect transistor" or fet\$2) and (deplet\$4 same "n-channel" same (negative\$2 near4 gate near4 bias\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 13:52
S27	47	("field effect transistor" or fet\$2 or igfet\$2 or mosfet\$2) and (deplet\$4 same "n-channel" same (negative\$2 near4 gate near4 bias\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 13:52
S28	5	S27 not S26	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 13:52
S29	129	(multiplex near4 pcr) and (electrode\$2 near6 (\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:10
S30	12	(multiplex near4 pcr) and (electrode\$2 near6 (\$5array\$2 or \$5chip\$2 or immobili\$7) same advantag\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:07
S31	145	(multiplex near8 (pcr or "polymerase chain")) and (electrode\$2 near6 (\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:10

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S32	166	(multiplex\$4 near8 (pcr or "polymerase chain")) and (electrode\$2 near6 (\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:16
S33	0	(multiplex\$4 near8 (pcr or "polymerase chain")) same (electrode\$2 near6 (\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:17
S34	0	(fix\$4 or control\$4) near5 (poteintial\$4 or voltage\$2) near4 gate near4 (immers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:34
S35	17	(fix\$4 or control\$4) same (potential\$4 or voltage\$2) near4 gate near4 (immers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:39
S36	17	(fix\$4 or control\$4) same (potential\$4 or voltage\$2) near4 gate near4 (immers\$4 or submerg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:40
S37	54	heller-m\$.in. and ((fix\$4 or control\$4) same (potential\$4 or voltage\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 14:40
S38	184	(\$5chip\$2 or \$5array\$2) same ("counter electrode") same (fix\$4 or constant) same (voltage\$2 or potential\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 15:10
S39	30	S38 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 15:10
S40	6	anderson.in. and immobili\$7 near4 electrode\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 15:46
S41	10	anderson.in. and immobili\$7 near12 electrode\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 15:46
S42	369	(allel\$4 near4 specific\$4 near4 (pcr or "polymerase chain")) same (\$5array\$2 or \$5chip\$2 or immobili\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:10
S43	1	(allel\$4 near4 specific\$4 near4 (pcr or "polymerase chain")) same (\$5array\$2 or \$5chip\$2 or immobili\$7) same electrode\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:10

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## EAST Search History

S44	77	(allel\$4 near4 specific\$4 near4 (pcr or "polymerase chain")) and ((\$5array\$2 or \$5chip\$2 or immobili\$7) same electrode\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:12
S45	188	(allel\$4 near4 specific\$4 near4 (pcr or "polymerase chain") same patient) and ((\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 17:55
S46	6	((allel\$4 near4 specific\$4 near4 (pcr or "polymerase chain")) same ((single or one) near4 patient) and ((\$5array\$2 or \$5chip\$2 or immobili\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:15
S47	84	S45 and ((single or one) near4 patient)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:16
S48	30	(probe\$2 near4 (immobili\$7 or attach\$4 or fix\$4) near4 electrode\$2) and (electrode\$2 near4 (\$5array\$2 or \$5chip\$2)) and ((plural\$4 or multipl\$4) near4 (target\$2 or analyt\$2) same simultaneous\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:37
S49	14	S48 and pcr	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 16:37
S50	14	(plural\$4 near4 patient\$2) same (pcr or "polymerase chain")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 17:57
S51	811	((plural\$4 or multipl\$4 or several or many) near4 patient\$2) same (pcr or "polymerase chain")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:03
S52	25	((plural\$4 or multipl\$4 or several or many) near4 patient\$2) same (pcr or "polymerase chain") same advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:01
S53	25	((plural\$4 or multipl\$4 or several or many) near4 patients) same (pcr or "polymerase chain") same advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:01
S54	95	S51 and @pd<"20010101"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:14

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## EAST Search History

S55	5	(high\$4 near4 stringen\$4 near4 wash\$4) near4 advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:22
S56	6	(high\$4 near4 stringen\$4 near4 wash\$4) near8 advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:24
S57	6	(high\$4 or increas\$4) near4 stringen\$4 near4 (wash\$4 or rins\$4 or sequential\$4) near8 advantag\$7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:25
S58	13308	(high\$4 or increas\$4) near4 stringen\$4 near4 (wash\$4 or rins\$4 or sequential\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:26
S59	5	(high\$4 or increas\$4) near4 stringen\$4 near4 (wash\$4 or rins\$4 or sequential\$4) near4 improv\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/03 18:26

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